

[Short Communication]

A note on *Chrysso vesiculosus* (Simon 1895) (Araneae: Theridiidae)

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Abstract — *Chrysso vesiculosus* (Simon 1895) is redescribed using the specimens of both sexes. *C. jianglensis* Zhu & Song 1993 described from China using male specimen is newly synonymized with *C. vesiculosus*.

Key words — *Chrysso vesiculosus*, *Chrysso jianglensis*, Theridiidae, redescription, new synonymy

In my previous paper (Yoshida 2003), I described *Chrysso vesiculosus* (Simon 1895) using female specimens. Recently, I obtained additional specimens of both sexes. As

a result of my examination, *C. jianglensis* Zhu & Song 1993 described from China using only male specimen is identical with male of *C. vesiculosus*. In this paper, I wish to give a redescription and synonymize *C. jianglensis* with *C. vesiculosus*.

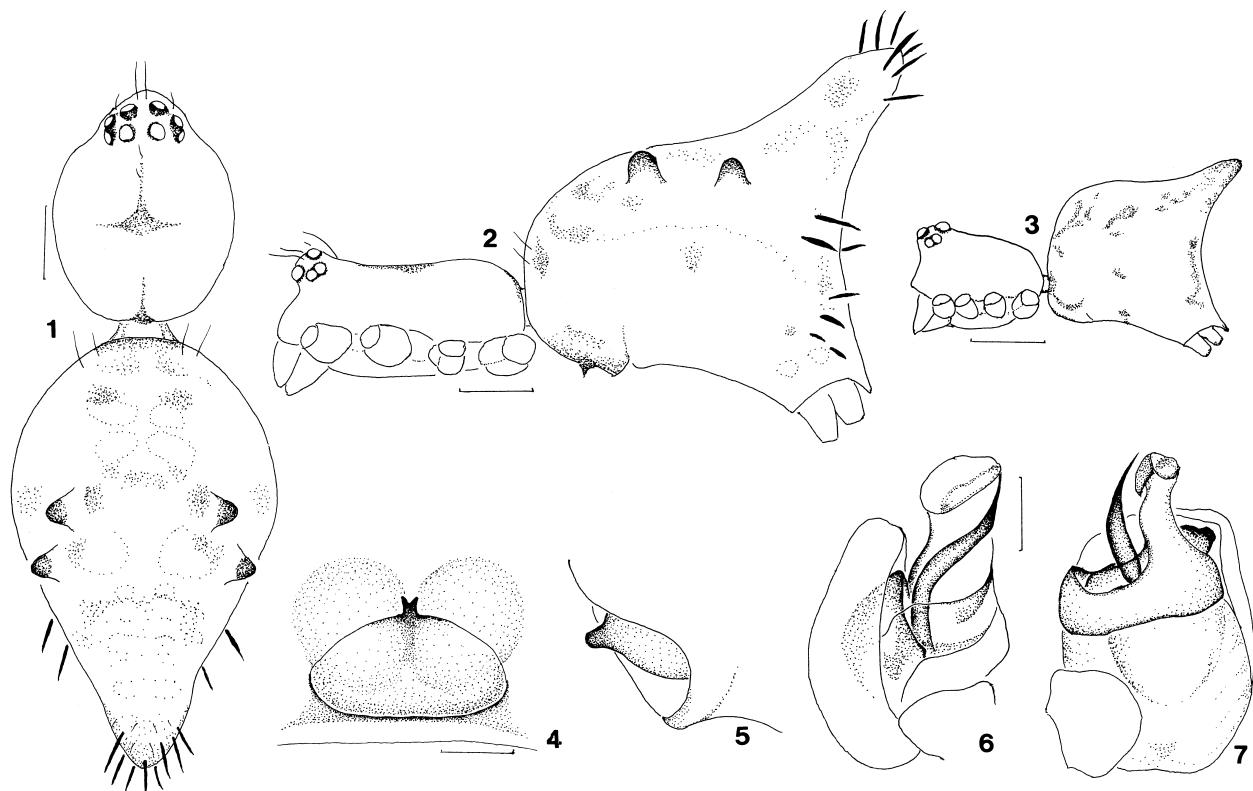
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***Chrysso vesiculosus* (Simon 1895)**
[Japanese name: Hishigata-himegumo]
(Figs. 1-7)

Meotipa vesiculosus Simon 1895, p. 134 (holotype: ♀ from Manila, the Philippines) — Simon 1908, p. 84; Saito 1941, p. 196; Yaginuma 1960, p. 34, pl. 7, fig. 43.

Chrysso vesiculosus: Yaginuma 1965, p. 35; Yaginuma 1968, p. 34, pl. 7, fig. 43; Yaginuma 1986, p. 45, pl. 10, fig. 6; Chikuni 1989, p. 32, fig. 15; Yoshida 1993, p. 33; Zhu 1998, p. 51, fig. 25; Song et al. 1999, p. 107, fig. 51E-F; Yoshida et al. 2000, p. 129; Yoshida 2003, p. 125, figs. 336, 339–340, 583.

Chrysso jianglensis Zhu & Song, in Song et al. 1993, p. 857, fig. 9 (holotype: ♂ from Mt. Longqi, Jiangle County, Fujian Province, China) — Zhu 1998, p. 68, fig. 39; Song et al. 1999, p. 103, fig. 49K-L. **New Synonymy**



Figs. 1-7. *Chrysso vesiculosus* (Simon 1895), ♀(1-2, 4-5) ♂(3, 6-7) from Geino-cho, Mie Prefecture—1, dorsal view; 2-3, lateral view; 4-5, epigynum, ventral (4) and lateral (5) view; 6-7, left palpus, prolateral (6) and ventral (7) view. Scales: 0.4 mm (1-3) and 0.1 mm (4-7).

Diagnosis. This species resembles *Chrysso argyrodiformis* (Yaginuma 1952) and *C. pulcherrima* (Mello-Leitão 1917), but is distinguished from them by the abdomen with two pairs of small projections in female, and palpal organ in male.

Description. Carapace oval, with eye region projecting. Eyes almost equal in size; anterior median eyes their diameter apart and one-third from laterals. Anterior width of median ocular area longer than posterior and length. Legs: patella, tibia and distal part of femur with several black and short spines in female; first patella and tibia 2.2 times carapace length in female, 1.9 in male; leg formula 1, 4, 2, 3. Abdomen: posterior end projecting beyond the spinnerets; dorsum with two pairs of small projections in female, without in male; posterior with many black and short spines in female, without in male (Figs. 1–3; Yoshida 2003, figs. 336, 583). Female genital organ: epigynum with an anteromedian small projection and a distinct large depression; seminal receptacles large; duct short (Figs. 4–5; Yoshida 2003, figs. 339–340). Male palpus: embolus thick; conductor with large apex (Figs. 6–7).

Coloration (Figs. 1–3; Yoshida 2003, figs. 336, 583). Carapace yellowish white with median thin black line. Legs yellowish white with many black spots; each segment with distal black ring. Chelicerae and maxillae yellowish white. Sternum yellowish white with marginally brown fleck and posterior half of median indistinct black line. Abdomen yellowish brown with white pigments and black flecks; venter without white pigments. Epigynum dark brown. In dark specimen, black and brown flecks large and distinct.

Measurements (in mm, ♀♂ from Geino-cho, Mie Prefecture). Body length 4.11/1.74. Carapace length 1.42/0.68; width 1.11/0.63. Abdomen length 2.47/1.05; width 1.37/1.64; height 2.32/0.95. First leg: femur 4.21/1.63; patella and tibia 3.00/1.32; metatarsus 4.21/1.42; tarsus 1.05/0.63. Second patella and tibia 1.79/0.89; third patella and tibia 1.26/0.58; fourth patella and tibia 2.58/1.00.

Variation (in mm, ♀♂). Body length 3.05–4.11/1.63–1.74. Carapace length 1.08–1.42/0.68–0.74; width 0.87–1.11/0.63–0.66. Abdomen length 2.00–2.47/1.00–1.05; width 1.26–1.82/0.58–0.74; height 2.32–2.82/0.74–0.95.

Specimens examined. 1♀, U-no-yama, Chita Peninsula, Aichi Prefecture, 3-VII-1984, Y. Chikuni leg.; 1♀1♂, Okamoto-kinoko-yama, Geino-cho, Age-gun, Mie Prefecture, 1-VI-2001, K. Kumada leg.; 1♀1♂, Mushiake, Oku-cho, Setouchi-shi, Okayama Prefecture, 13-VIII-2005, K. Nojima leg.

Distribution. Japan: Honshu. China, Philippine and Vietnam.

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